



Docket No.: M4065.0461/P461
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kie Y. Ahn, et al.

Application No.: 09/910,914

Group Art Unit: 2823

Filed: July 24, 2001

Examiner: S. Foong

For: COPPER TECHNOLOGY FOR ULSI
METALLIZATION



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INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Rejection or Notice of Allowance.

A concise explanation of relevance of the items listed on form PTO/SB/08 is:

[X] not given

07/30/2003 MAHNE1 00000070 09910914

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180.00 OP

☐ given for each listed item

☐ given for only non-English language listed items

☐ in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references

While the information and references disclosed in this Information Disclosure Statement may be “material” pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is “prior art” for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No.

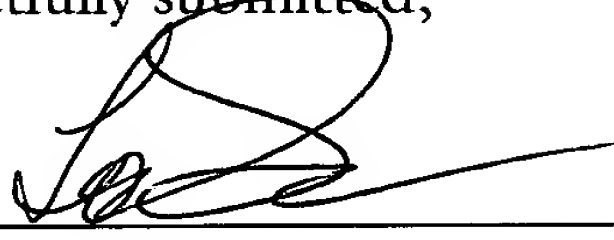
Application No.: 09/910,914

Docket No.: M4065.0461/P461

04-1073, under Order No. M4065.0461/P461.

Dated: July 26, 2003

Respectfully submitted,

By 

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PTO/SB/08a/b (05-03)

Approved for use through 05/31/2003. OMB 0651-0031

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/910,914
				Filing Date	July 24, 2001
				First Named Inventor	Kie Y. Ahn
				Art Unit	2823
				Examiner Name	S. Foong
Sheet	1	of	1	Attorney Docket Number	M4065.0461/P461

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-6,395,632	05-28-2002	Farrar	
	AB	US-6,498,090	12-24-2002	Morozumi	
	AC	US-6,531,777	03-11-2003	Woo et al.	
	AD	US-6,352,938	03-05-2002	Chen et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Examiner Signature		Date Considered	
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PTO/SB/17 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003 <small>Effective 01/01/2003, Patent fees are subject to annual revision.</small>		Complete if Known			
		Application Number	09/910,914-Conf. #2806		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	July 24, 2001		
		First Named Inventor	Kie Y. Ahn		
		Examiner Name	S. Foong		
TOTAL AMOUNT OF PAYMENT (\$)		180.00	Art Unit	2823	
		Attorney Docket No.	M4065.0461/P461		
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)			
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES			
<input type="checkbox"/> Deposit Account		Large Entity Small Entity			
Deposit Account Number		Fee Code	Fee (\$)	Fee Description	
04-1073		1051	130	2051 65 Surcharge - late filing fee or oath	
Deposit Account Name		1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet.	
Dickstein Shapiro Morin & Oshinsky LLP		1053	130	1053 130 Non-English specification	
The Director is hereby authorized to: (check all that apply)		1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
<input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments		1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application		1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1251	110	2251 55 Extension for reply within first month	
FEE CALCULATION		1252	410	2252 205 Extension for reply within second month	
1. BASIC FILING FEE		1253	930	2253 465 Extension for reply within third month	
Large Entity Small Entity	Fee Code Fee (\$)	1254	1,450	2254 725 Extension for reply within fourth month	
1001 750 2001 375	Utility filing fee	1255	1,970	2255 985 Extension for reply within fifth month	
1002 330 2002 165	Design filing fee	1401	320	2401 160 Notice of Appeal	
1003 520 2003 260	Plant filing fee	1402	320	2402 160 Filing a brief in support of an appeal	
1004 750 2004 375	Reissue filing fee	1403	280	2403 140 Request for oral hearing	
1005 160 2005 80	Provisional filing fee	1451	1,510	1451 1,510 Petition to institute a public use proceeding	
SUBTOTAL (1) (\$)		1452	110	2452 55 Petition to revive - unavoidable	
0.00		1453	1,300	2453 650 Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1501	1,300	2501 650 Utility issue fee (or reissue)	
Total Claims	Extra Claims Fee from below Fee Paid	1502	470	2502 235 Design issue fee	
Independent Claims	** =	1503	630	2503 315 Plant issue fee	
Multiple Dependent	** =	1460	130	1460 130 Petitions to the Commissioner	
Large Entity Small Entity	Fee Code Fee (\$)	1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1202 18 2202 9	Claims in excess of 20	1806	180	1806 180 Submission of Information Disclosure Stmt	
1201 84 2201 42	Independent claims in excess of 3	8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1203 280 2203 140	Multiple dependent claim, if not paid	1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
1204 84 2204 42	** Reissue independent claims over original patent	1810	750	2810 375 For each additional invention to be examined (37CFR 1.129(b))	
1205 18 2205 9	** Reissue claims in excess of 20 and over original patent	1801	750	2801 375 Request for Continued Examination (RCE)	
SUBTOTAL (2) (\$)		1802	900	1802 900 Request for expedited examination of a design application	
0.00		Other fee (specify)			
**or number previously paid, if greater; For Reissues, see above		*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$)	
				180.00	
SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Thomas J. D'Amico	Registration No. (Attorney/Agent)	28,371	Telephone	(202) 828-2232
Signature		Date	July 26, 2003		